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(21) International Application Number: PCT/NL95/00153 (22) International Filing Date: 27 April 1995 (27.04.95) (71) Applicant (for all designated States except US): AVIPLAST B.V. [NL/NL]; Jutestraat 12, NL-7461 TR Rijssen (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): VAN DIJK, Dirk [NL/NL]; Raalterweg 30, NL-7451 KW Holten (NL). DE VRIES, Fransiscus, Bernardus, Antonius [NL/NL]; Scholtenhofmansbrink 1, NL-7152 JJ Eibergen (NL). (74) Common Representative: SCHUMANN, Bernard, Herman, Johan; Arnold & Siedsma, Sweelinckplein 1, NL-2517 GK The Hague (NL).		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, MW, SD, SZ, UG), European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>In English translation (filed in Dutch).</i>
(54) Title: PLASTIC-BASED COMPOSITE PRODUCT AND METHOD AND APPARATUS FOR MANUFACTURING SAME (57) Abstract The invention relates to a plastic-based composite product which consists at least partially of a plastic in which a material consisting substantially of particles is homogeneously embedded, which particles have tensile strength in at least one principal direction. The invention provides a product of the stated type which has the special feature that the particles comprise: small particles, in particular plates or fibres, with a random orientation and a length of 0.2-2 mm; and large particles with a dominant orientation, for instance 80-95 %, of the said principal direction of the particles in a chosen product principal direction and a length in the particle principal direction of about 2-6 mm.		

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